



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D4088-043

Job Sheet 169187



Part No: D4088-043

Job Qty: 5 ea

Part Name: Shoulder Harness



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 12/5/17

Job Tracking No:

Due Date: 1/3/18

Created By: Chantal Lavoie

Type: Stock

Description:

Note: DWG REV B SHEET 2 IPP REV:A NEW ISSUE DD 10.04.29 VERIFIED:EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	5 pcs		1/3/18	0.00	0.00	Purchasing		CMR 18/01/27
110	Packaging	5 pcs		1/3/18	0.00	0.00	Packaging2		CMR 18/01/27
120	QC	5 pcs		1/3/18	0.00	0.00	QC6		8/2
130	Packaging	5 pcs		1/3/18	0.00	0.00	Packaging3-2		
140	QC21-SA	5 Ea		1/3/18	0.00	0.00	QC21		DAS 21 9-88

Part Op 100 - Issue P/O: 138566 Manufacture D4088-043 as per Dwg D4088
Descriptions: 120 - ensure buckle engages and dis-engages correctly for every unit.

FEB 08 2018

DEC 05 2017

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
100-Purchasing	3221-1-021-2396	5	0	0	0

Part Specifications

Specifications could not be found.

Plex 12/5/17 8:16 AM dart.lavoie.chantal



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Serial No: S036148



Part: 3221-1-021-2396

Original Serial #:

Revision: D4088

Inspector:

Date: 01/27/18 12:13 PM

DART
AEROSPACE
S036150



Shoulder Harness

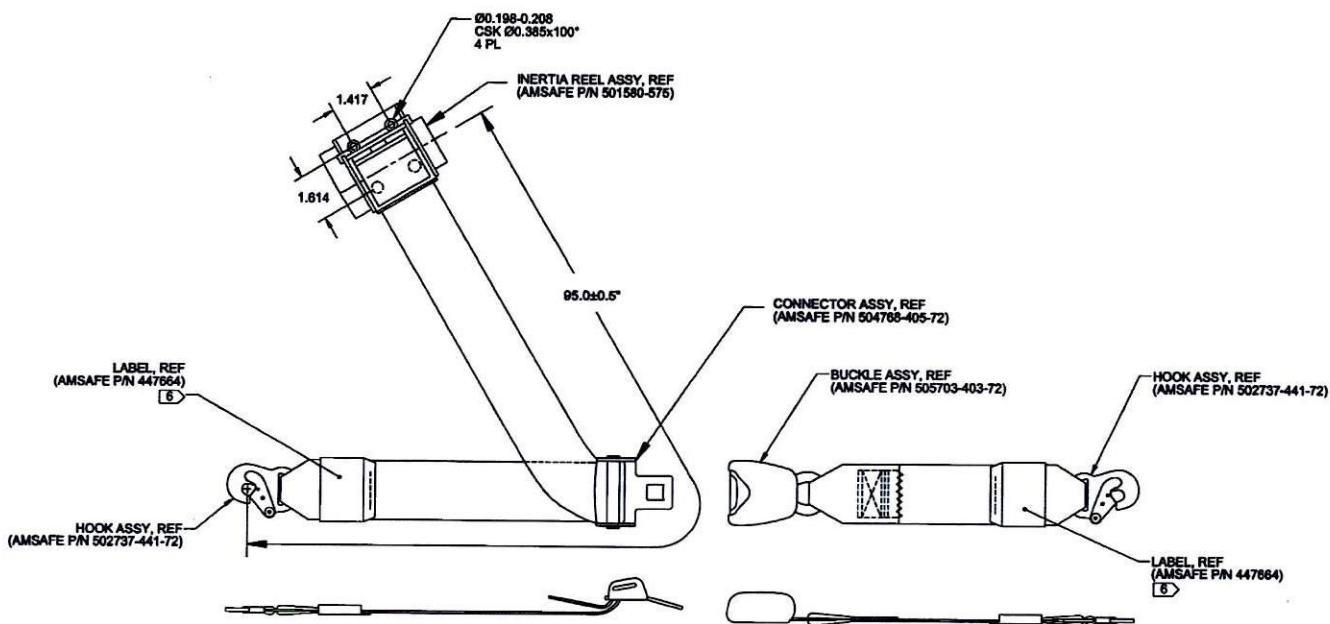
Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K64 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

PART NO: D4088-043
Original Serial #: S036150
Revision:
Operation:
Change No:

Purchasing

Mfg Date: 01/27/18
Job No: 169187

SPECIFICATION CONTROL DRAWING



D4088-041 SHOULDER HARNESS

NOTES:

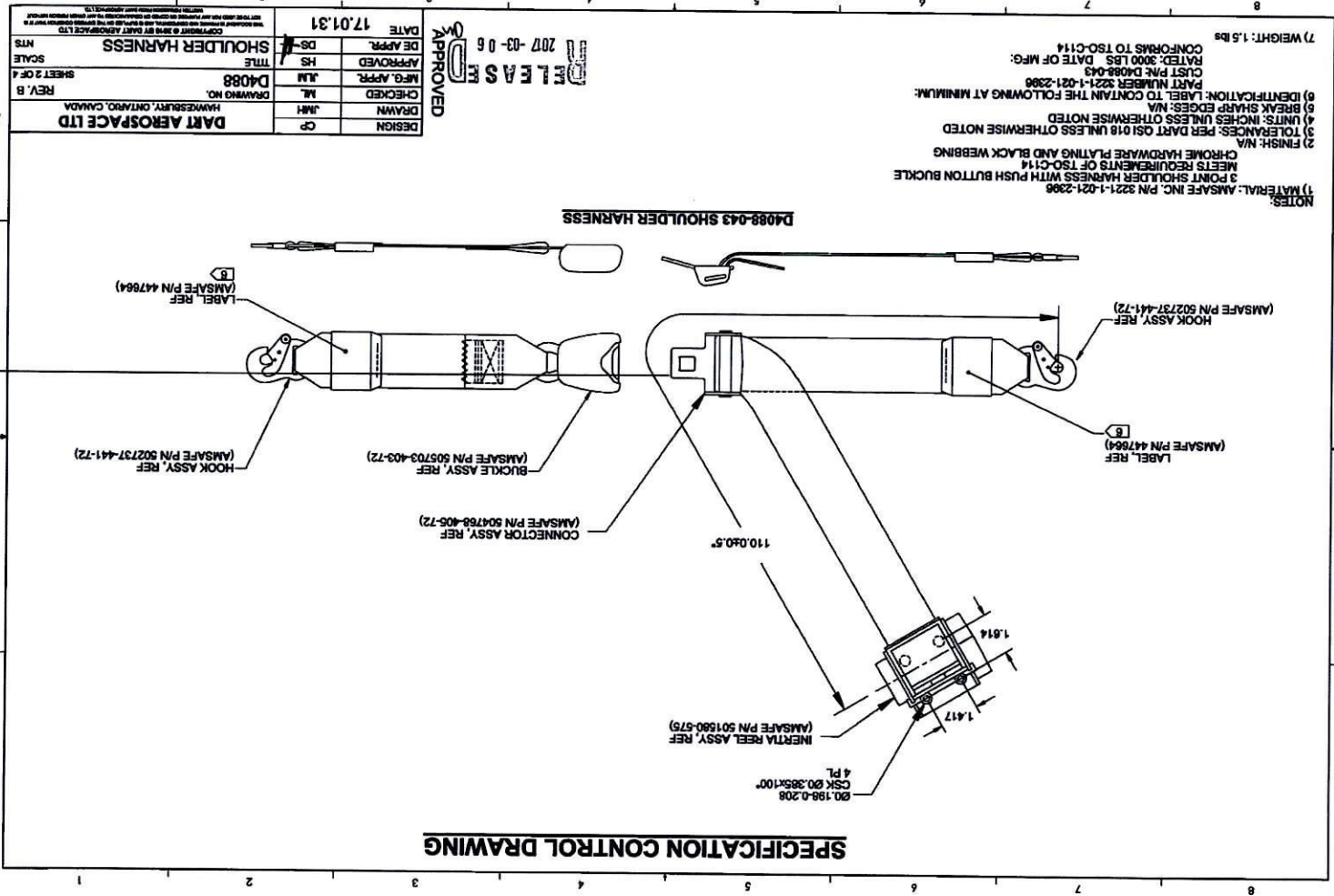
- 1) MATERIAL: AMSAFE INC. P/N 3221-1-011-2396
3 POINT SHOULDER HARNESS WITH PUSH BUTTON BUCKLE
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: LABEL TO CONTAIN THE FOLLOWING AT MINIMUM:
PART NUMBER 3221-1-011-2396
CUST P/N: D4088-041
RATED: 3000 LBS DATE OF MFG:
CONFORMS TO TSO-C114
- 7) WEIGHT: 1.5 lbs

RELEASED
2017-03-06
EIN 17-533

APPROVED

B	ADD D4088-041-047 (REASON: CIR 15-42)	JMH	17.01.31
A	NEW ISSUE	CP	10.03.16
REV.	DESCRIPTION	BY	DATE
DESIGN	CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	JMH		
CHECKED	ML	DRAWING NO.	REV. B
MFG. APPR.	JLM	D4088	SHEET 1 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	SHOULDER HARNESS	NTS
DATE	17.01.31	COPYRIGHT © 2016 BY DART AEROSPACE LTD THIS DRAWING IS UNCLASSIFIED AND IS AVAILABLE FOR THE GENERAL INFORMATION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.	

SPECIFICATION CONTROL DRAWING



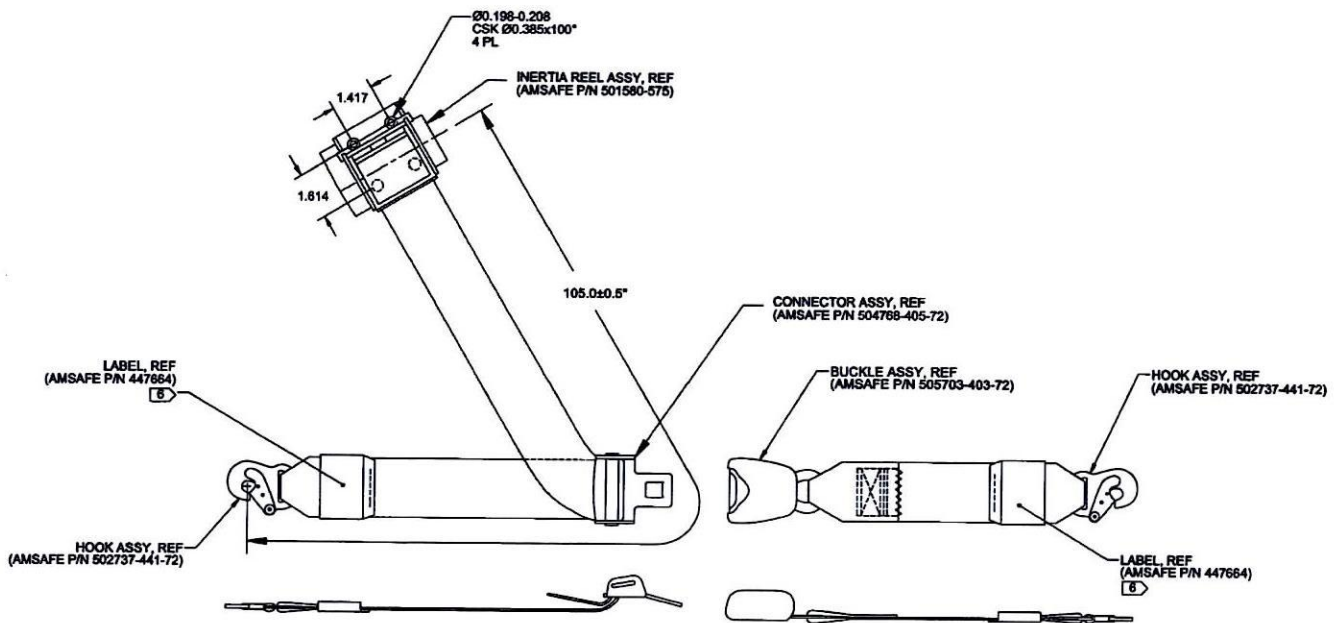
- NOTES:**
- 1) MATERIAL: AMSAFE INC. P/N 3221-1-021-2386
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART 051018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) IDENTIFICATION: LABEL TO CONTAIN THE FOLLOWING AT MINIMUM:
PART NUMBER 3221-1-021-2386
CUST P/N: D4088-043
RATED: 3000 LBS DATE OF MFG:
CONFORMS TO TSO-C114
 - 6) BREAK SHARP EDGES: N/A
 - 7) WEIGHT: 1.5 lbs

RELEASED
2007-03-06
APPROVED

DESIGN	CP
DRAWN	JMH
CHECKED	ML
MFG. APPR.	JLM
APPROVED	HS
DE APPR.	DS
DATE	17.01.31

DART AEROSPACE LTD
HAMMERSLEY, ONTARIO, CANADA
DRAWING NO. D4088
REV. B
SHEET 2 OF 4
SCALE NTS

SPECIFICATION CONTROL DRAWING



NOTES:

- 1) MATERIAL: AMSAFE INC. P/N 3221-1-051-2396
3 POINT SHOULDER HARNESS WITH PUSH BUTTON BUCKLE
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: LABEL TO CONTAIN THE FOLLOWING AT MINIMUM:
PART NUMBER 3221-1-051-2396
CUST P/N: D4088-045
RATED: 3000 LBS DATE OF MFG:
CONFORMS TO TSO-C114
- 7) WEIGHT: 1.5 lbs

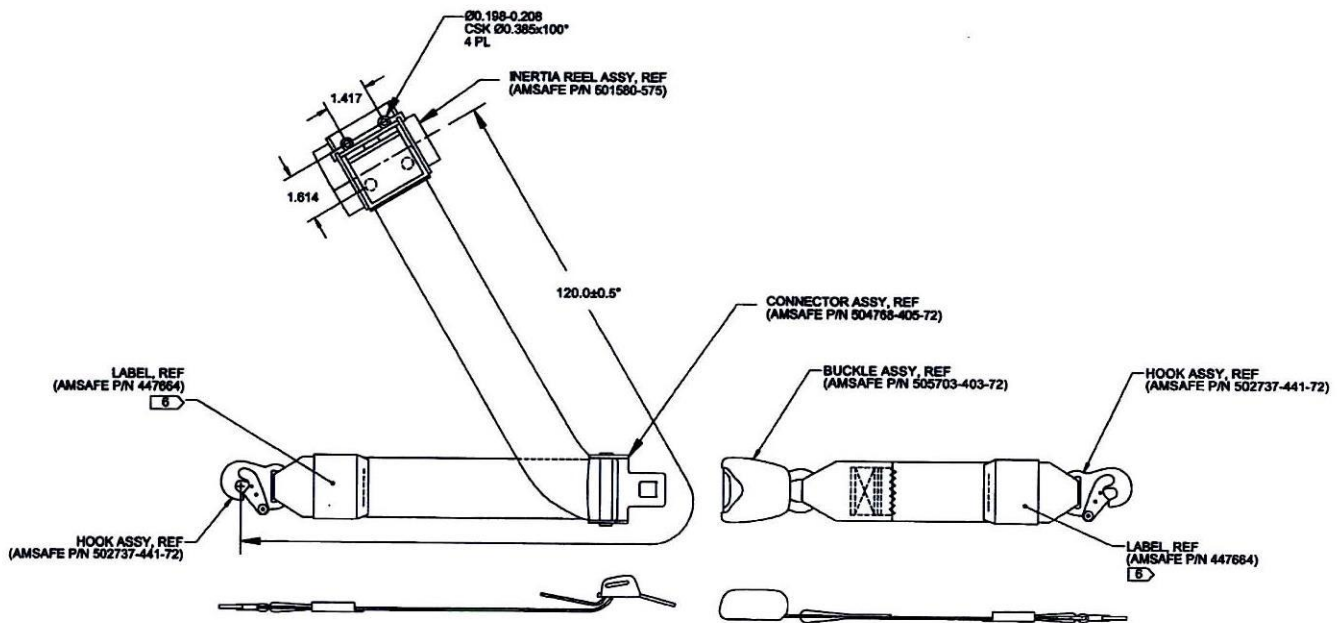
D4088-045 SHOULDER HARNESS

RELEASED
2017-03-06

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DESIGN	CP	DART AEROSPACE LTD	
DRAWN	JMH	HAWKESBURY, ONTARIO, CANADA	
CHECKED	ML	DRAWING NO.	REV. B
MFG. APPR.	JLM	D4088	SHEET 3 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	SHOULDER HARNESS	NTS
DATE	17.01.31	COPYRIGHT © 2010 BY DART AEROSPACE LTD	

SPECIFICATION CONTROL DRAWING



D4088-047 SHOULDER HARNESS

NOTES:

- 1) MATERIAL: AMSAFE INC. P/N 3221-1-061-2398
3 POINT SHOULDER HARNESS WITH PUSH BUTTON BUCKLE
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: LABEL TO CONTAIN THE FOLLOWING AT MINIMUM:
PART NUMBER 3221-1-061-2398
CUST P/N: D4088-047
RATED: 3000 LBS DATE OF MFG:
CONFORMS TO TSO-C114
- 7) WEIGHT: 1.5 lbs

RELEASED
2017-03-06

APPROVED

DESIGN	CP	DART AEROSPACE LTD	
DRAWN	JMH	HAWKESBURY, ONTARIO, CANADA	
CHECKED	ML	DRAWING NO.	REV. B
MFG. APPR.	JLM	D4088	SHEET 4 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	SHOULDER HARNESS	NTS
DATE	17.01.31	COPYRIGHT © 2010 BY DART AEROSPACE LTD	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO038566**

Supplier: AMS002-VU
Amsafe Inc.
1043 North 47th Avenue
Phoenix, AZ 85043 USA
Phone: 602 850 2850
Fax: 602-278-3479

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO038566
PO Date: 12/5/17
Due Date: 1/3/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Via: Ground
Pymt Terms: Net 30

Freight Terms:
Special Comments:

E-MAILED
DEC 18 2017

REVISED

Items											
Line Item	Part	Supplier Part No	Item No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	D3636-041P			Shoulder Harness As per Dwg D3636-041 Rev.B job #169190	Firmed	1/3/18	8 pcs	0 pcs	8 pcs	\$398.44/pcs	\$3,187.52
Line Item Note AMSAFE P/N: 3104-1-061-2396											
2	4147-2-041-2396			Shoulder Harness, 4 Point As per Dwg D4071 Rev. A job# 169188	Firmed	1/3/18	8 pcs	0 pcs	8 pcs	\$370.49/pcs	\$2,963.92
3	3221-1-011-2396			Shoulder Harness As per Dwg D4088 Rev. B job# 169186	Firmed	1/3/18	12 pcs	0 pcs	12 pcs	\$350.70/pcs	\$4,208.40
4	3221-1-021-2396			Shoulder Harness As per Dwg 4088 Rev. B job# 169187	Firmed	1/3/18	5 pcs	0 pcs	5 pcs	\$350.70/pcs	\$1,753.50
5	4181-2-191-2396			Shoulder Harness W/ Buckle Assembly As Per Dwg DSC- D4305 Rev. E job# 169189	Firmed	1/3/18	8 pcs	0 pcs	8 pcs	\$821.44/pcs	\$6,571.52
6	4192-1-021-2396			Harness Assembly As Per Dwg DSC- D4387 Rev. D. job# 169142	Firmed	1/3/18	12 pcs	0 pcs	12 pcs	\$302.19/pcs	\$3,626.28
7	4173-2-031-2396			Harness Assembly As Per dwg DSC- D4387 Rev. D job# 169143	Firmed	1/3/18	8 pcs	0 pcs	8 pcs	\$303.13/pcs	\$2,425.04
Grand Total:										\$24,736.18	

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO038566

Order Notes

Procurement Quality Clauses

- A005 RIGHT OF ENTRY
- A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
- A012 CHEMICAL AND PHYSICAL TEST REPORTS
- A016 PERSONNEL QUALIFICATION
- A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENT
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

Plex 12/8/17 11:28 AM dart.baker.diane

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: S373459 - 4 - <i>HG</i>	
4. Organization Name and Address: AmSafe, Inc. 1043 North 47th Avenue Phoenix, Arizona 85043		Cert. No. PT1967NM			5. Work order/Contract/Invoice Number: S373459 - 4 <i>0</i> PAGES ATTACHED	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	REST SYS ASSY W/IR	3221-1-021-2396	5	<i>26</i>	NEW	
12. Remarks: Drawing: 3221 Rev: D DATE CODE: <i>A1217</i> TSO: TSO-C114 						
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation ☐ Non-approved design data specified in Block 12.			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: <i>Hope Gonzalez</i>		13c. Approval/Authorization No.: ODA602112NM		14b. Authorized Signature 		14c. Authorized/Certificate No.
13d. Name (typed or printed) HOPE GONZALEZ		13e. Date (dd/mm/yyyy): <i>01 JAN 2018</i>		14d. Names (typed or printed) 		14e. Date (dd/mm/yyyy):
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

- *Conforms to all applicable drawing dimensions and specifications.
- *(If applicable) Meets the requirements of FAR 25.853 (a) Compartment Interiors.
- *(If applicable) Conforms to British CAA specifications.
- *(If applicable) All parts/materials are certified new, conform to the design data, and are in airworthy condition.
- *Meets all the requirements of TSO-C114.
- *The parts/materials reflected herein were produced under a FAA approved Manufacturing and Quality Assurance system/methods as set in FAR Part 21 Sub-Part O, Para. 21.601.
- *The conditions and tests required for TSO approval of this article are minimum performance standards.
- *It is the responsibility of those installing this article either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the TSO standard.
- *TSO articles must have separate approval for installation in an aircraft. The article may be installed only if performed under 14 CFR part 43 or applicable airworthiness requirements.
- *For the latest copy of the CMM/SMM, please log onto www.amsafeaviation.com

CUSTOMER NAME:	DART AEROSPACE	SALES ORDER NO.	S373459
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Line	Purchase Order No.	Am-safe Part No.	Rev.	Lot No.	Customer Part No.	Dated Code	Quantity
4	PO038566	3221-1-021-2396	D	N/A	None	A1217	5

This document is the property of the customer and should remain with the articles listed above.
PLEASE DELIVER TO THE QUALITY ASSURANCE DEPARTMENT

REMARKS:

NEW

AMSAFE INC
1043 NORTH 47th. AVENUE
PHOENIX, ARIZONA 85043 USA
PHONE: (602) 850-2850 FAX:(602) 850-2812

Nelson Lopez 01-04-18
QUALITY ASSURANCE REPRESENTATIVE DATE

CUSTOMER